

STATINTL

*Chau  
- ozone*

November 26, 1975

Dear Yuriy:

During the June mid-year review and again during the October 28-31, 1975, Joint Committee meeting, Mr. Train expressed his concern over the question of the damaging effects of fluorocarbon emissions on stratospheric ozone and the possible consequent effects of ozone depletion on the global environment. As you will see from page 3 of the November 10, 1975, issue of World Environmental Report which I recently sent you, Mr. Train has in recent months warned several times in public that ozone depletion may be the first truly global environmental problem affecting each person and ecosystem on this planet.

I recall that during our mid-year review Academician Izrael, who had recently returned from a WMO meeting in Geneva, remarked that stratospheric problems such as possible ozone depletion might develop into one of the major issues of our epoch. (I understand that a draft report entitled "Anthropogenic Modification of Ozone Layer and Possible Geophysical Consequences" is being prepared by a group of WMO experts led by Jans Dutsch of Switzerland which will soon meet again in Toronto, Canada, to discuss a final version.)

In the light of Academician Izrael's preeminent position in WMO, his expressed interest in this problem, his responsibility as Chief of the Main Administration of Hydromet, and his positive leadership as the Soviet chairman of our Environmental Agreement, I am taking the liberty of sending you for his examination a November 12, 1975 report entitled Fluorocarbons: An Assessment of Worldwide Production, Use and Environmental Issues,

*Environment Gen 1*

Dr. Yuriy Kazakov  
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prepared by the USA and Canada for the Environmental Committee of the Organization for Economic Cooperation and Development (OECD). This is not yet a formal OECD document. However, I would not be surprised if the OECD Environment Committee releases it in the near future, for it strikes me as a well drafted and very thoughtful assessment of an issue which is both highly complex and at the same time potentially of vital urgency.

In this latter connection, I can inform you that Mr. Train is currently considering the possibility of inviting a few key leaders and specialists from selected countries (e.g., the USSR, the FRG, some other European countries, as well as Japan) to meet informally sometime in mid-1976 to discuss the anthropogenic sources (especially fluorocarbon emissions) of ozone depletion, the possible effects of such depletion, and most importantly, the courses of action which might be taken over the short term and long term to deal with these issues. Since Academician Izrael would be a logical invitee from the USSR, I would therefore request that you bring this document to his immediate attention. We would, of course, welcome any comments or suggestions he might have on the assessment.

Finally, I would welcome your thoughts on what could be done to step up our efforts to deal with these issues under our Environmental Agreement. I note that in accordance with the October 31 Joint Committee Memorandum a meeting of specialists of Working Group I-1 and Working Group VIII-1 will be held in the USA during the second quarter of 1976 to consider the problem and to define the requirements for satellite and rocket observation of minor constituents in the upper atmosphere. In your view, is there anything both sides can do before then to facilitate cooperative work? For instance, is there any report of recent Soviet efforts or planning in this field which would be useful to Dr. L. Machta (US Project Leader of Project VIII-1.2) and other US

Dr. Yuriy Kazakov  
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experts in preparing for the meeting? Your comments would be most appreciated.

Sincerely yours,

/s/

William A. Brown  
Executive Secretary

Dr. Yuriy Kazakov  
Counselor, Main Administration of the  
Hydrometeorological Service of the USSR  
12 Pavlik Morozov Street .  
Moscow D-376, USSR

cc: R. E. Train

Clearance: Fitzhugh Green (per Jack Thompson), Tex Harris

bcc: Epstein, Machta, Wiser, Loebner, Darbyshire, Veale, Strother,  
Thompson, Long

FIELD OF ENVIRONMENTAL PROTECTION (American Side)

STATINTL

СМЕШАННАЯ АМЕРИКАНСКО-СОВЕТСКАЯ КОМИССИЯ ПО СОТРУДНИЧЕСТВУ  
В ОБЛАСТИ ОХРАНЫ ОКРУЖАЮЩЕЙ СРЕДЫ (Американская Часть)

Room 1025 East Tower  
401 M Street, S.W.  
Washington, D.C. 20460

Telephone: (202) 426-2617

November 26, 1975

Dear Egon:

Pursuant to our November 24 telephone conversation, I am enclosing a copy of my letter to Yuriy Kazakov concerning Mr. Train's desire to hold a meeting of experts from several countries including the USSR to discuss the causes and effects of ozone depletion and possible corrective action.

During our talk you made an excellent point: that in addition to Izrael, who directs a monitoring-analysis effort, we should invite a Soviet official from the Ministry of Health who wields regulatory power. I would therefore appreciate your giving personal attention to identifying for me the best candidate for a future invitation and suggesting how we would best go about extending the invitation, e.g., through the good offices of Ambassador Stoessel, through Izrael in his capacity as Soviet Co-Chairman of the Environmental Agreement, or directly from Train to the invitee.

Understandably, at this stage there are many imponderables, e.g., when to have the meeting (partially dependent on the findings and timing of a National Academy of Science report currently underway), whom to invite, under what auspices (perhaps under a series of bilateral agreements in which Mr. Train plays a leading role), and what specific issues on which to focus. Nevertheless, we think it's useful to alert Izrael now to the likelihood of a meeting and to use the US-Canadian assessment as a vehicle to focus Soviet attention on the most critical issues.

Dr. Egon Loebner

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I look forward to hearing from you on this.

Sincerely,

William A. Brown  
Executive Secretary

Dr. Egon Loebner  
Counselor for Scientific and Technological  
Affairs  
American Embassy Moscow  
Department of State  
Washington, D.C. 20521

Enclosure: US-Canadian Report

cc: Ambassador Stoessel  
Mr. Train

bcc: F. Green  
F. A. Harris  
D. Strother  
W. Veale

THE US-USSR JOINT COMMITTEE ON COOPERATION IN THE  
FIELD OF ENVIRONMENTAL PROTECTION (American Side)

STATINTL

СМЕШАННАЯ АМЕРИКАНСКО-СОВЕТСКАЯ КОМИССИЯ ПО СОТРУДНИЧЕСТВУ

В ОБЛАСТИ ОХРАНЫ ОКРУЖАЮЩЕЙ СРЕДЫ (Американская Часть)

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Washington, D.C. 20460

Telephone: (202) 426-2617

November 24, 1975

MEMORANDUM TO AREA COORDINATORS, WORKING GROUP CHAIRMEN, AND PROJECT  
LEADERS

Subject: Serialization for Cable Traffic

The volume of cable traffic under the Environmental Agreement (as well as others) has reached the level where in order to handle, file, retrieve, and act upon its contents effectively the Office of Scientific and Technological Affairs of our Embassy in Moscow uses a computer. This, in turn, requires that we serialize our Agreement with arabic numbers and that we use this serialization in our cable traffic.

ACTION REQUESTED

In your outgoing cables continue to list on the SUBJECT line: US-USSR Environmental Agreement, the Working Group (or Project) with the existing numbering and title of the Working Group or Project. Then add the computer serial number for your Working Group or Project as listed below. You will find that the last two arabic numbers of this serial number for Working Groups correspond exactly to the two numbers (one Roman numeral plus one arabic number) of your Working Group and the last three (or four) numbers correspond to the last three numbers of your Project. The first two numbers (02.) of the serial designate the Environmental Agreement.

Thus:

Working Group IX-1 = 02.091

Project II-1.2 = 02.0212

Project XI-2.1 = 02.1121

In addition, I have added extra categories for the Joint Committee, the Co-Chairmen, the Secretariats, Education, Assessment, Special Events, Trade, and Financing.

*Environmental Agreement*

9 Dec 78

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BT  
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OER (Both)  
OBCR (Both)  
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(left side)

Example

TO: Moscow

TAGS: SENV, US, UR

SUBJECT: US-USSR Environmental Agreement, Project III-1.1  
(Integrated Pest Management) 02.0311

Your cooperation in adding the appropriate serial number will greatly assist the Embassy and therefore all of us.



William A. Brown

02.00 Joint Committee

02.0000 Chairpersons  
Hon. Russell E. Train Acad. Yuriy A. Izrael

02.0001 Executive Secretariat  
Dr. William A. Brown Dr. Yuriy Ye. Kazakov

02.01 Prevention of Air Pollution (Area I)

02.011 Air Pollution Modeling, Instrumentation, and Measurement  
Methodology (Working Group I-1)  
Dr. Herbert Wiser Prof. M. E. Berlyand

02.0111 Air Pollution Modeling and Standard Setting (Project I-1.1)  
Dr. Herbert Wiser Prof. M. E. Berlyand

02.0112 Instrumentation and Measurement Methodology (Project I-1.2)  
Dr. Herbert Wiser Dr. A. S. Zaytsev

02.012 Stationary Source Air Pollution Technology (Working Group I-2)  
Dr. Stephen J. Gage Yu. Balashov

02.0121 Gaseous Emission Abatement (Project I-2.1)  
Dr. Norbert A. Jaworski Dr. V. I. Lazarev

02.0122 Particulate Abatement Technology (Project I-2.2)  
Dr. Norbert A. Jaworski Dr. G. K. Lebedyuk

02.0123 Process Improvement and Modification (Project I-2.3)  
Dr. Norbert A. Jaworski

02.0131 Transportation Source Air Pollution Control Technology (Project  
I-3.1)  
Mr. Eric O. Stork Dr. G. P. Voytetskiy

02.02 Prevention of Water Pollution (Area II)

02.021 River Basins, Lakes, Estuaries, and Aquatic Ecosystems (Working  
Group II-1)  
Dr. Tudor T. Davies Prof. V. R. Lozanskiy

02.0211 River Basin Water Quality Planning and Management (Project  
II-1.1)  
Mr. Mark A. Pisano Prof. V. R. Lozanskiy

02.0212 Protection and Management of the Water Quality in Lakes and  
Estuaries (Project II-1.2)  
Dr. Tudor T. Davies Prof. A. A. Zenin

- 02.0213 Effect of Pollutants upon Aquatic Ecosystems and Permissible Levels of Pollution (Project II-1.3)  
Dr. Donald I. Mount Prof. I. V. Butorin
- 02.022 Prevention of Water Pollution from Industrial and Municipal Sources (Working Group II-2)  
Mr. Harold P. Cahill, Jr. Prof. S. V. Yakovlev
- 02.0221 Prevention of Water Pollution from Municipal and Industrial Sources (Project II-2.1)  
Mr. Harold P. Cahill, Jr. Prof. S. V. Yakovlev
- 02.03 Prevention of Pollution Associated with Agricultural Production (Area III)  
Dr. Clare Harris
- 02.0311 Integrated Pest Management (Project III-1.1)  
Dr. B. G. Tweedy Dr. V. A. Lebedev
- 02.0321 Interaction Between Forests, Plants, and Pollutants (Project III-2.1)  
Dr. R. G. Krebill A. A. Molchanov
- 02.0331 Forms and Mechanisms by Which Pesticides and Chemicals are Transported (Project III-3.1)  
Dr. David W. Duttweiler Dr. S. G. Malakhov
- 02.0341 Effect of Chemicals used in Agriculture on Fauna (Project III-4.1)  
Dr. Lucille S. Stickel Dr. L. D. Voronova
- 02.04 Enhancement of the Urban Environment (Area IV)
- 02.041 Enhancement of the Urban Environment (Working Group IV-1)  
Hon. David O. Meeker, Jr. A. O. Kudryavtsev
- 02.0411 Ensuring Adequate Environment in Human Settlements in Northern Regions (Project IV-1.1)  
Mr. George O. Hipps, Jr. V. N. Belousov
- 02.0412 Improvement of Environment with Regard to Locations of Historic Monuments (Project IV-1.2)  
Mr. Ernest A. Connally Yuriy S. Yaralov
- 02.0413 Removal and Processing of Solid Waste in Urban Areas (Project IV-1.3)  
Mr. Val Grey A. N. Prokhorov
- 02.0414 Enhancement of Environment in Existing Cities (Project IV-1.4)  
Mr. David O. Meeker, Jr. Yu. A. Stavnichiy

- 02.0415 Recreation Zones in Urban and Near-Urban Areas (Project IV-1.5)  
Mr. William Matuszeski I. I. Ionov
- 02.05 Protection of Nature and the Organization of Preserves (Area V)  
Mr. E. U. Curtis Bohlen
- 02.0511 Conservation of Wild Species of Fauna and Flora (Project V-1.1)  
Mr. Earl Baysinger V. V. Krinitskiy
- 02.0521 Protection of Northern Ecosystems (Project V-2.1)  
Dr. Ronald Skoog V. D. Denisov
- 02.0531 Protected Natural Areas and National Parks (Project V-3.1)  
Dr. Theodore W. Sudia V. V. Krinitskiy
- 02.0541 Biosphere Reserves (Project V-4.1)  
Dr. Jerry Franklin Acad. V. Ye. Sokolov
- 02.0551 Protection of Arid Ecosystems (Project V-5.1)  
Dr. Frederic H. Wagner Prof. A. K. Rustamov
- 02.0561 Marine Mammals (Project V-6.1)  
Dr. Robert V. Miller Dr. V. A. Zemskiy
- 02.06 Protection of the Marine Environment from Pollution (Area VI)
- 02.0611 Prevention and Cleanup of Pollution of the Marine Environment  
from Shipping (Project VI-1.1)  
Capt. Frederick P. Schubert V. Kh. Dubchak
- 02.0621 Effect of Pollutants on Marine Organisms (Project VI-2.1)  
Dr. Eric Schneider Prof. A. I. Simonov
- 02.07 Biological and Genetic Effects of Environmental Pollution  
(Area VII)
- 02.0711 Biological and Genetic Effects of Pollutants (Project VII-1.1)  
Dr. David Rall Acad. N. P. Dubinin  
Dr. John Knelson
- 02.0721 Comprehensive Analysis of the Environment (Project VII-2.1)  
Dr. Roger Cortesi Acad. Yu. A. Izrael
- 02.08 Influence of Environmental Changes on Climate (Area VIII)
- 02.081 Influence of Environmental Changes on Climate (Working Group  
VIII-1)  
Dr. Edward Epstein Prof. Ye. Borisenkov
- 02.0811 Effects of Changes in the Heat Balance of the Atmosphere on  
Climate (Project VIII-1.1)  
Dr. J. Smagorinsky Acad. M. I. Budyko